

Zirui Yan

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EDUCATION

Rensselaer Polytechnic Institute

NY, USA

Major: *Computer and Systems Engineering, Ph.D.*

Aug. 2021 - Present

Advisor: *Prof. Ali Tajer*

University of Science and Technology of China

Hefei, CHN

Major: *Statistics, B.S.*

Sep. 2016 - Jul. 2020

Dual Major: *Computer Science and Technology, B.E.*

EXPERIENCE

School of Computer Science and Engineering, Sun Yat-sen University

Guangzhou, CHN

Host: Prof. Di Wu

Jan. 2021 – Aug. 2021

Project: Optimizing Parameter Mixing under Constrained Communications in Parallel Federated Learning

Department of CMSE, Michigan State University

MI, USA

Advisor: Prof. Jianrong Wang

Jul. 2019 – Oct. 2019

Project: Causal variant inference based on probabilistic data integration

PUBLICATION

○ Federated Multi-Armed Bandit Via Uncoordinated Exploration

Zirui Yan, Quan Xiao, Tianyi Chen and Ali Tajer

Proc. of Inter. Conf. on Acoustics, Speech, & Signal Processing (ICASSP), Singapore, 2022

○ Image denoising via K-SVD with primal-dual active set algorithm

Quan Xiao, Canhong Wen✉ and Zirui Yan

Proc. of IEEE Winter Conf. on Applications of Computer Vision (WACV), 2020

INTERNSHIP

iFLYTEK Research South China

Guangzhou, CHN

Core Research Assistant

Jul. 2020 – May. 2021

RSVP.ai

Ningbo, CHN

Data Editor of Knowledge Graph

Aug. 2018

SKILLS

- **Programming:** Python, R, C/C++, MATLAB, MySQL (ranked by proficiency)
- **Tools and Frameworks:** PyTorch, TensorFlow, Linux, CUDA, L^AT_EX, Markdown, PS&AE